Outline for November 4, 2024

Reading: §11   **Due:** Homework 3, due November 13, 2024

1. Writing a recursive permutation program [*perm.py*]

2. Character/integer conversions [*chr.py*, *ord.py*]
   (a) Cæsar cipher (shift cipher) [*caesarenc.py*, *caesardec.py*]

3. Pattern matching
   (a) Regular expressions
   (b) Atoms: letters, digits
   (c) Match any character except newline: `.`
   (d) Match any of a set of characters: `[0123456789]`, `[^0123456789]`, `[0-9]`
   (e) Repetition: `*` (repeat previous regular expression 0 or more times)